

10/503 3.01 Acs
5/17/07

Separately, two another DNA strands, each of which had been designed to encode the amino acid sequence of RD1 (LDLNLAPPMEF) (SEQ ID NO: 4) having the restriction site of *Sa*I at the 3' terminus and to have the amino acid reading frame to be in-frame with that of GAI 4DBD, were prepared.

5'-CCTTGATCTTAACCTTGCTCCACCTATGGAATTTGA-3' (SEQ ID NO: 59)

5'-TCGACTCAAAATTCATAGGTGGAGCAAGGTTAAGATCAAGG-3' (SEQ ID NO: 60)

48 12 Acs 5/17/07
Please delete the paragraph on page 49, lines 25-28, and replace it with the following paragraph:

As is apparent from the above results, a peptide having the amino acid sequences LDLELRGFA (SEQ ID NO: 16) and LDLNLAPPMEF (SEQ ID NO: 4) and a gene encoding the same peptide were capable of converting any transcription factor into a transcriptional repressor.

48 15 Acs 5/17/07
Please delete the paragraph on page 50, lines 14, and replace it with the following paragraph:

(Example 7) Functional conversion of the transcription factor production-of-anthocyanin-pigment 1 (PAP1) in plants caused by the gene encoding a peptide LDLELRGFA (SEQ ID NO: 120) (corresponding to the 193/204 repression domain of SUP (SRDX))

49 2 Acs 5/17/07
Please delete the paragraph on page 50, lines 16-17, and replace it with the following paragraph:

The obtained cDNA of the PAP1 gene and the amino acid sequence encoded thereby are shown in SEQ ID NOS: 66 and 135, respectively, in the Sequence Listing.

49 4 Acs 5/17/07
Please delete the paragraph on page 50, line 18, and replace it with the following paragraph:

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Atty. Dkt. No. 036910-0111

(1-2) Synthesis of gene encoding peptide LDLDLELRGFA (SRDX) (SEQ ID NO: 120)

49 5 Aeg 5/17/07
Please delete the paragraph on page 50, lines 19/26, and replace it with the following paragraph:

The following DNA strands that were designed to encode a 12-amino acid peptide LDLDLELRGFA (SRDX) (SEQ ID NO: 120) and to have the stop codon TAA at its 3' terminus were synthesized. The synthesized DNAs were annealed in the same manner as in Example 3 to prepare double-stranded DNA.

5'-CTGGATCTGGATCTAGAACTCCGTTTGGGTTTCGCTTAAG-3' (SEQ ID NO: 64)

5'-CTTAAGCGAAACCCAAACGGAGTTCTAGATCCAGATCCAG-3' (SEQ ID NO: 65)

50 11 Aeg 5/17/07
Please delete the paragraph on page 51, lines 25/26, and replace it with the following paragraph:

(Example 8) Functional conversion of AtMYB23 transcription factor in plants by gene encoding peptide LDLDLELRGFA (SRDX) (SEQ ID NO: 120)

50 24 Aeg 5/17/07
Please delete the paragraph on page 52, lines 10-11, and replace it with the following paragraph:

The obtained cDNA of the AtMYB23 gene and the amino acid sequence encoded thereby are shown in SEQ ID NOS: 69 and 136, respectively, in the Sequence Listing.

50 26 Aeg 5/17/07
Please delete the paragraph on page 52, line 12, and replace it with the following paragraph:

(1-2) Synthesis of gene encoding peptide LDLDLELRGFA (SRDX) (SEQ ID NO: 120)

50 27 Aeg 5/17/07
Please delete the paragraph on page 52, lines 13-20, and replace it with the following paragraph: